

#### OTR BULLETIN

#### Purpose

The purpose of the Office of Training Bulletin is:

- (a) To provide Training Officers, Supervisors, Managerial personnel and others with information on training opportunities within and outside the Agency.
- (b) To publish special articles dealing with education and training policy, philosophy, methods and techniques, and with training-related subjects of particular interest.
- (c) To provide specific procedural and organizational information for Training Officers and Assistants.
- (d) To promote interest in education and training as an aid in achieving Agency goals.

Recommendations for improving this service may be directed in writing to the Registrar, OTR, 1000 North Glebe Road, or by telephone

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### IN THIS ISSUE:

Current OTR Directory listing names, room and telephone numbers of Chiefs of Schools and Staffs, Instructors, and certain Administrative Personnel appears on page 15 and 16.

Some suggestions for Planning for Retirement start on page 17.

Conclusions from experiments on programmed learning in audio-lingual language courses begin on page 7.

Final article in the series on training of Federal employees starts on page 11.

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# BULLETIN

# BOARD

DESCRIPTIONS
OF OTR
COURSES

The Office of Training plans to discontinue publishing the OTR Course descriptions in each issue of the OTR Bulletin. Instead, these descriptions will be carried in the semi-annual Schedule of Courses.

LANGUAGE TRAINING

Component Training Officers have copies of the June-July 1968 OTR Bulletin which have the detailed explanation of the procedures for requesting internal language training. They can offer assistance in preparing the necessary forms.

NEW PAI MATERIALS

The following programmed instruction materials have been added recently to the Instructional Systems Study library.

- 1. Principles of Selective Listening, Argyle Publishing Company. Average time for completion of the program: 3 hours.
- 2. How to Use the Business Telephone, Argyle Publishing Company. Average time for completion of the program: 2 hours
- 3. How to Say What You Mean (clear and concise writing), American Management Association. Average time for completion of the program: 5 hours.

These programs may be reviewed in Room 839, 1000 North Glebe Road. For further information, call

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CLERICAL TRAINING COURSES

AND TESTING

OTR's refresher courses in typewriting and shorthand will be given:

- 14 October 8 November
- 18 November 13 December

Before taking either course, or both, an employee is required to take a preliminary test or tests given by the Clerical Training Faculty (CTF). The results are used to determine the level of the course the employee should take. These tests are given on Wednesday, typewriting at 9:30 a.m. and shorthand at 10:30 a.m. Dates for the preliminary tests in the above courses are:

- 9 October
- 13 November

Submission of a Form 73 to AIB/RS for refresher training is all that is required to initiate testing. Training Officers are notified directly by CTF as to time and place to report.

#### QUALIFICATION TESTS

The CTF gives the Agency's tests in typewriting and shorthand to employees who want to qualify as typists and stenographers. Training Officers or Personnel Officers must arrange registration directly with CTF, before 5 p.m. the Thursday immediately preceding the desired Monday testing. Qualification tests in both typewriting and shorthand are given on the same morning, typewriting at 9 a.m. and shorthand at 10:30 a.m. CTF notifies Training Officers or Personnel Officers of the results of the tests.

Tests will be given on: 7 October, 21 October,
12 November, 2 December,
16 December

Applicants report to Room 416, Ames Building.

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LANGUAGE PROFICIENCY TESTING Language proficiency tests are conducted by the OTR Language School to maintain a current inventory of the Agency's language capabilities. The following schedule is for the use of employees who have an untested claim still on the record, and for those whose previously tested proficiency is over three years old, in accordance with the Agency's Language Policy

25X1A

Training Officers should arrange tests for employees by contacting the Language School,

Tests at Headquarters may be scheduled on the following dates:

French:

October 1, 4, 8, 11, 15, 18, 22, 25, 29

25X1A

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November 1, 5, 8, 12, 15, 19, 22, 26

December 3, 6, 10, 13, 17, 20

German:

October 4, 11, 18, 25 November 1, 8, 15, 22 December 6, 13, 20

Spanish

October 1, 8, 15, 22, 29 November 5, 12, 19, 26 December 3, 10, 17

Spanish tests are offered on a space available basis at Arlington Towers on the following dates:

October 3, 10, 17, 24, 31 November 7, 14, 21 December 5, 12, 19

Tests in all other languages are by arrangement.

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# **OTR CALENDAR**

OCTOBER

S	M	T	W	T	$\mathbf{F}$	S
		l	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

	Administrative Procedures	7 - 11 Oct, 21 - 25 Oct
_	ADP Orientation	1 - 3 Oct
25X1C		
	Chiefs of Station Seminar	7 - 18 Oct
	China Familiarization	28 Oct - 1 Nov
	Clerical Refresher	14 Oct - 8 Nov
	CS Records I	21 - 25 Oct
	CS Records II	28 Oct - 1 Nov
	Counterintelligence Familiarization	7 - 16 Oct
25X1A		
	Information Reports Familiarization	7 - 11 Oct, 21 - 25 Oct
	Intelligence Briefing	7 - 30 Oct
	Intelligence Production	7 Oct - 6 Dec
	Introduction to Communism	14 - 25 Oct
	Introduction to Intelligence	28 Oct - 8 Nov
	Introduction to Map Reading & Imagery Analysis	28 Oct - 15 Nov
	Midcareer Executive Development	13 Oct - 22 Nov
	Operations, Phase I	7 Oct - 17 Jan 69
	Orientation for Overseas	1 - 2 Oct
	Senior Management Seminar (Planning)	20 - 25 Oct
	Supervision	28 Oct - 1 Nov
	Support Services (for CTs)	7 Oct - 15 Nov
	Support Services Review: Trends & Highlights	15 - 18 Oct
	Systems Development Process (Brandon)	15 - 17 Oct
>//-	Vietnam Area	14 - 18 Oct
25X1C		
	Vietnam Station Orientation	22 - 24 Oct
	Writing Workshop (Basic) (for NPIC)	7 - 25 Oct

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#### NOVEMBER

S	M	Т	W	Т	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Administrative Procedures
ADP Orientation
Challenge of Worldwide Communism
Clerical Refresher
Counterintelligence Operations
CS Records I (for CTs)
CS Records II (for CTs)
CS Records III
CS Review
Field Finance and Logistics
Information Reporting, Reports, & Requirements
Intelligence Techniques
Managerial Grid

25X1C

Orientation to Intelligence (for CTs)
Orientation for Overseas

Soviet Bloc Operations
Conference Techniques (For NPIC)

18 Nov - 6 Dec 18 Nov - 13 Dec 25 Nov - 6 Dec 19 Nov 20 - 27 Nov 4 - 5 Nov 4 - 15 Nov 18 Nov - 6 Dec 4 - 22 Nov 18 Nov - 6 Dec 17 - 22 Nov 4 - 22 Nov 14 - 27 Nov 5 - 6 Nov 26 - 27 Nov 12 - 22 Nov

13 Nov - 5 Feb 69

18 - 22 Nov

12 - 14 Nov

#### DECEMBER

S	M	Т	W	Т	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Administrative Procedures	16 - 20 Dec
ADP Orientation	17 - 19 Dec
Advanced Management (Planning)	8 - 13 Dec
Challenge of Worldwide Communism	2 - 20 Dec
Counterintelligence Familiarization	9 - 18 Dec
CS Records I	2 - 6 Dec
CS Records II	9 - 13 Dec
CS Records III	16 - 17 Dec
Information Reports Familiarization	2 - 6 Dec
	9 - 13 Dec
Intelligence Review	2 - 13 Dec
Management	2 - 6 Dec
	1 - 4 Dec
Operations Support	2 - 20 Dec
Support Services Review: Trends & Highlights	3 - 6 Dec
Systems Development Process (Brandon)	10 - 12 Dec
Vietnam Area	2 - 6 Dec
	16 - 19 Dec
Vietnam Station Orientation	10 - 12 Dec

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# FOREIGN LANGUAGE LEARNING THROUGH PAI

Recent experiments at the University of Akron and Indiana University on the effectiveness of programmed learning in an audio-lingual language course were reported in the March 1968 issue of the NEA Journal. In both cases the conclusion was that a completely self-instructional program, without a teacher, is not feasible. Instruction that is totally programmed seems productive only in cases where very slight behavior changes are sought.

Live teaching and programmed instruction can be complementary, however, as shown by the partial programming developed at Indiana University. Programmed instruction proved most useful in modules at early levels for teaching specific features of pronunciation, grammar, or vocabulary, and for correcting pronunciation and developing smoothness of speech. It can be used for routine drill, with the teacher providing situations and opportunities for the student to transfer structure and vocabulary learned and practiced in the laboratory to natural communication in which he adjusts to the unpredictability of another person's responses.

Other favorable results in a comparison at the University of Akron between an experimental group (using a self-instructional course in a language laboratory) and a control group (taught under traditional classroom conditions) were:

- a. A smaller percentage of students dropped the experimental course.
- b. Low-aptitude students who completed the course did well.

- c. A greater percentage from the experimental group than from the control group continued in and completed their second-year of a foriegn language.
- d. All students of the experimental group attained exceptional accuracy in pronunciation.
- e. Generally, the experimental group did as well as the control group, and significantly better in their mastery of the spoken language and in their variety and accuracy of grammatical structures.
- f. At the end of the second year, students from the experimental group had maintained their standing in respect to the students from the control group.
- g. Low-aptitude students achieved results that compared well with those of more gifted colleagues.

#### CIA's Vietnamese Course

These findings support CIA's preference for Program Assisted Instruction, rather than programmed instruction alone. Program Assisted Instruction is used in conjunction with conventionally taught courses, with a teacher who is regularly if not constantly in attendance. (See OTR Bulletin, December 1966.)

Program Assisted Instruction was the method used by the American Institutes for Research to program the second, third, and fourth weeks of the CIA Language School's 26-week Vietnamese course. The first week of the course is devoted exclusively to phonology and the materials previously used for this instruction have been replaced by a Program Assisted Instruction unit developed in-house. The second, third, and fourth weeks include most fundamental grammar and a large percentage of basic vocabulary. Mastery of these three weeks of instruction permits trainees to conduct rudimentary but effective conversation with native speakers, and trainees are not as affected by variations in instructor competence in subsequent instruction. In these three weeks, the principal source of instruction is the self-study

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laboratory, with the classroom serving a secondary role. Among other reasons, a completely self-instructional approach was rejected because (1) without a teacher, the burden of evaluating the correctness of a response falls entirely upon the trainee, and considerable training time is required to teach this technique; (2) the classroom provides opportunities for class members to interact in conversation naturally.

There are six instructional hours each day -- four hours of self-instructional laboratory work and two hours of classroom sessions. A typical morning begins with a laboratory session, is followed by a classroom period, and then another laboratory session. The afternoon schedule is identical except that the final language laboratory period is planned as a review and self-test of that day's learning. The last afternoon of each week consists of a review, test, and conference session.

New content is introduced in the language laboratory rather than in the classroom, using Study Guides and recorded tapes; this insures uniform instruction in every case. Exercises and drills in the Study Guides vary considerably, and consist of such things as lists of phrases, dialogues, stories, sentences to translate, crossword puzzles, fill-in exercises, word games (see example), and pronunciation drills. Detailed instructor guides describe exactly the activities the students are to undertake during sessions led by the instructor and specify explicitly the way in which the sessions should be conducted. Classroom learning is limited to practice and interaction based solely on content already presented in the language laboratory by the programmed materials. Thus a native speaker who may not be trained as an instructor can conduct an effective and efficient class.

The PAI units have proved to be very effective. Seven of eight Agency students in a test group scored 90 percent or better on the final examination, and the eighth student scored 76.6 percent. Since then seven of seven students in regular classes have scored 90 percent or better. Much of the success of these units has been attributed to the use of ample and varied content, to frequent opportunities for the student to respond and experience success, and to

the encouragement of student efforts to communicate even though using limited vocabulary and structure. As a result, students have commented that the PAI units have not bored them at all; on the contrary, they have found the units very interesting to use.

The PAI units are now used regularly in Vietnamese courses conducted by the Language School. Program Assisted Instruction is also used in brief portions of some other language courses and will continue to be introduced into language training as suitable programs can be developed or become available commercially.

#### Word Game

This game depends on your ability to interpret the Vietnamese word into English.

The words to be interpreted are in the left-hand column. Print the English in the blocks at the right. For example, the meaning of hinh is picture.

The circled letters in descending order are to be inserted, in the circles marked ANSWER, from left to right.

Then translate the English word in the circles to Vietnamese in the square at the right. These are difficult words, so you may have to look them up.

hình đặt	PICTURE	-   
hay re		i i
đem		ŀ
'me bức thư		i I
giáo sử		i
d็นใช้ทิฐ nghe		<u> </u>

...from Day 4, Hour D, Segment 3. |
Word games such as this one were |
used to add variety to the usual |
drills. In this case the game |
substitutes for simply writing |
out word translations. Notice |
that the student is told he is |
permitted to review, allowing |
even the least capable student |
to arrive at the correct answer |
without experiencing real failure. |

ANSWER: 000000000



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hình PICTURE  dắt O O O O O O O O O O O O O O O O O O O	from Day 4, Hour D, Segment 3.  Word games such as this one were used to add variety to the usual drills. In this case the game substitutes for simply writing out word translations. Notice that the student is told he is permitted to review, allowing even the least capable student to arrive at the correct answer without experiencing real failure.
ANSWER: OOOOOOO	

# TRAINING UNDER GETA

# **PROGRESS REPORT**

This is the third in a series of articles published in this Bulletin concerning the training of Federal employees. While a Presidential Task Force on Career Advancement was examining the subject of training in the Federal Government, the Sub-Committee on Manpower and Civil Service of the House Committee on Post Office and Civil Service was taking a hard look at the progress that had been made under the Government Employees Training Act (GETA) of 1958. The report of the findings of this group is known as the Henderson Report and was submitted in June 1967.

The objectives of the review were to determine (1) the overall cost of training; (2) recent trends in training programs; (3) the number and levels of employees who have received training; (4) the types of training employees have received; (5) where Federal funds for non-Government training are being spent; and (6) whether there is a need for changes in the existing Training Act.

A portion of the Committees findings follow:

#### Training Costs

About 77 percent of expenditures were for training programs developed and conducted by departments and agencies for their own employees (in-house training). About 20 percent were for training through non-Government facilities and the remaining 3 percent for training conducted by one Federal agency for employees of another agency (interagency training).

Training in the management and supervisory skills accounted for 23 percent of the total cost; professional-scientific training, 17 percent; training employees in the technical and operational aspects of the organizations'

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programs, 31 percent; and training in a variety of miscellaneous skills, 29 percent.

#### Lack of cost accounting systems for determining training costs

Most Federal departments and agencies do not have adequate systems for determining and reporting accurate costs of training.

#### Federal training programs are increasing - Continued increase predicted

The number of employees trained has increased at the rate of about 10 percent per year since 1964 and a continued increase is predicted by the departments and agencies. Costs have correspondingly increased at a rate of about 5 percent per year, with continued increase expected. Training staffs (including clerical) have increased at the rate of about 1 1/2 percent per year, with corresponding increase in salaries, which totaled about \$58 million in Fiscal Year 1966.

#### "Interagency" training activity appears low

Only about 5 percent of all the employees trained during Fiscal Year 1966 were trained through interagency training programs. It seems that a well planned and well coordinated training effort could possibly result in more activity in this area with possible resultant economies.

#### Inadequate monitoring of non-Government training sources

The agencies do very little to assure themselves that non-Government training is adequate except to rely upon statements of the trainees.

#### Trainee selection procedures good - Practices questionable

Written procedures and criteria for selecting employees to attend training courses are generally very good. However, in actual practice supervisors are apparently sending employees to training on a "hit or miss" basis without specific justifiable objectives in mind. In many instances employees are sent to training without a good understanding of the objectives of the training program.

#### About 7,000 academic degrees obtained substantially under the Training Act

Projection of the field installation data reflects that about 7,000 employees have received academic degrees (mostly graduate) with substantial financial assistance under the Training Act. Some of these may be inconsistent with the intent of the provisions of the act.

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#### Types of training justified under Training Act need clarification

Interpretations of justifiable training vary. In an attempt to clarify the committee's position on this matter, five categories have been suggested: (1) to improve present performance; (2) for changes in technology, mission, and equipment; (3) to keep abreast of the state-of-the-art; (4) for future development; and (5) initial training for unavailable skills.

#### Departments and agencies not adequately evaluating training programs

Few agencies are adequately evaluating all phases of their training effort. Evaluation should begin with the training requirement and cover each step thereafter, including evaluation of performance after training.

Based upon its findings the Committee recommended inter alia that:

- 1. Departments and agencies should establish better cost systems for training.
- 2. The Civil Service Commission should develop a better overall reporting system to provide the Congress more meaningful information each year.
- 3. Departments and agencies should continue to develop and conduct training for their own employees when comparable training is not more economically available on a timely basis from other sources.
- 4. Departments and agencies, with Civil Service Commission leadership, should give greater consideration to allowing more employees from other agencies to participate in their training programs. Interagency training programs should be continued with increased emphasis on avoiding duplication wherever possible.
- 5. Training through non-Government sources should be more closely reviewed to assure that comparable training is not more economically available within the Government. Required non-Government training should be more closely monitored.
- 6. Local application of trainee selection procedures should be more closely monitored. Supervisors should be given more definite information on available training courses.

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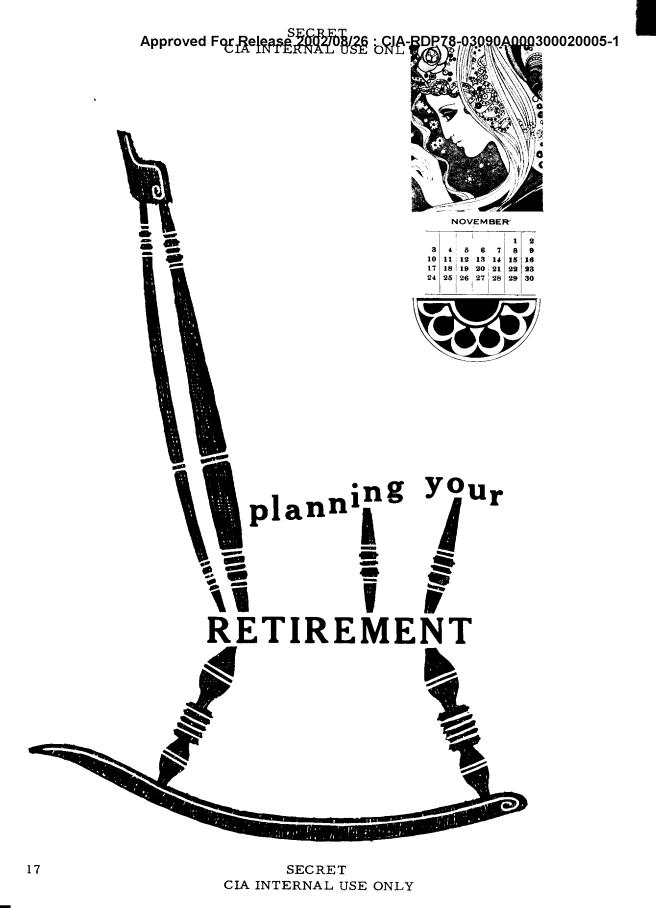
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- 7. Further study should be made by the Civil Service Commission regarding Government financial assistance to employees in obtaining academic degrees.
- 8. The Civil Service Commission should devote more of its training resources to monitoring Federal training programs, evaluating effectiveness of training, providing more professional guidance and assistance to departments and agencies, and following up its regulations.
- 9. Departments and agencies should develop and implement more adequate programs to evaluate all phases of their training programs, with emphasis on trainee performance after training.
- 10. The Civil Service Commission should further review the effect of the current limitations on non-Government training and recommend to the Congress whether or not to continue these limitations.

The Committee also questioned whether or not the restrictions against providing training to employees in non-Government facilities until after they have had one year of continuous Federal service was working as intended in GETA. The Committee further questioned the provision that the time spent in training for any ten year period of Government service should not exceed one year. This has already been expanded by the Civil Service Commission to two years in ten for scientific and professional personnel.

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There is nothing new, strange or difficult about planning. It has been a part of the everyday routine for years. You plan what you will wear, what you will do, where you will go, what to buy and many times what to say or write. You plan for tomorrow, next week and for your vacations. Why not plan for your retirement? What's the difference?

When you retire, forty to fifty hours a week will be added to your leisure time; no longer just a vacation, but every week. That's at least 2,000 hours every year. If you are a reasonably healthy, reasonably intelligent human being, you don't really want to sit around all those hours with nothing to do. People aren't made that way: particularly people who have spent dozens of years in the professional world. Well, what are you going to do with those 2,000 hours? The time to start thinking about how they can bring you the most satisfaction and happiness is BEFORE your retirement.

Retirement can be the finest years of your life with wise planning and adjustment on your part. It can be something to look forward to -- a career you have designed for yourself when your time is your own, when you do things you always wanted to do but for which you could not find the time. Successful retirement calls for planning well in advance of the day you stop your employment. Good planning takes time. There is no set age to begin. Give thought to it now -- whatever your age.

Retirement means a change. It provides new challenges, freedoms, and opportunities. It is a crossroads where the turn may be more abrupt than you anticipated. Can you make it? Yes, but it takes thoughtful consideration.

To assist you in your planning, the Retirement Counseling and Placement Staff, Office of Personnel, will be holding a Retirement Information Seminar in November in the Headquarters Auditorium. This seminar, consisting of five sessions, will help you find answers to some of your questions. The first seminar was held in March 1968 and those who participated found it most helpful.

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In November, the seminar will cover these topics:

Monday, 18 November 1968

9:30 - 12:00 Noon

#### Disengagement and the Meaning of Retirement

This will be a discussion of the planning required to make your retirement happy and successful. It does not just happen, it requires planning. We will talk about how your abilities and interest might be turned to good account for pay or pleasure. Begin now to anticipate your retirement.

Tuesday, 19 November 1968

9:30 - 12:00 Noon

#### Health in Later Years

A doctor will discuss the physical changes and problems that usually come with age. The importance of exercise and diet, and why you should take physical examinations after retirement. Avoid boredom, take personal stock of yourself.

#### Housing

A decision to make -- Move or stay where you are! There will be a discussion on planning where to live, factors to consider such as, economic and climatic, and the importance of visiting various areas and taking a good hard look at your future home.

Wednesday, 20 November 1968

9:30 - 12:00 Noon

#### Retirement Benefits

The benefits of the Organization and the Civil Service Retirement Systems will be discussed. The importance of retirement budgets, Federal Employee's Group Life Insurance, medical and hospitalization insurance after retirement will be included.

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Wednesday, 20 November 1968 (continued)

#### Social Security Benefits

This discussion will assist you to understand the retirement and medicare provisions of the Social Security Act. Social Security credits including credits for military service, kinds of work covered, and family payments will be discussed.

> Thursday, 21 November 1968 9:30 - 12:00 Noon

#### Financial Planning

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An investment broker will discuss the pros and cons involved in buying securities, the types of securities to buy as a retiree, and the importance of hedging against inflation in today's market. A bold and frank discussion on how to pick your broker is one of the highlights.

#### Legal Aspects of Retirement

The purpose of this session is to assist participants to understand legal matters related to retirement such as, wills, estate planning, gifts, trusts, safe deposit boxes, title to property and kinds of ownership. There are special tax provisions which will be of interest to annuitants.

Friday, 22 November 1968 9:30 - 12:00 Noon

#### Part-Time Employment and Second Careers

This discussion will emphasize the things to do and things not to do in seeking further employment, the preparation of resumes and when to submit a resume, and the choosing of a job in semi-retirement that will bring you maximum satisfaction.

You may have questions or personal problems about retirement on
which you would like to have help. Your Retirement Counselor in the
Retirement Counseling Branch will assist you and will suggest sources
of information that may be useful to you. The Counselors can be
reached on extension

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# NON-AGENCY TRAINING

This section of the OTR Bulletin contains information on non-CIA courses or programs related to career development of CIA employees. Attendance may be sponsored by the Agency or it may be self-sponsored. The Training Officer must be consulted on Agency-sponsored training.

For additional information on the courses outlined in this section of the OTR Bulletin or on other external courses, call AIB/RS/TR For information on registration,

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Civil Service Commission courses and United States Department of Agriculture Graduate School Special Programs are listed below with their starting and ending dates, location, cost, and whenever possible, required GS Grade level. For course descriptions see your Training Officer or call

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#### Civil Service Commission

#### Automatic Data Processing

#### ADVANCED SYSTEMS TECHNOLOGY

4 - 8 Nov

24 - 28 Mar

1900 E. Street, N.W.

\$160

For Digital Computer Systems Analysts.

# PRINCIPLES AND PRACTICES OF AUDITING IN THE ADP SYSTEMS ENVIRONMENT

4 - 22 Nov

2 - 20 Dec

6 - 24 Jan

3 - 20 Feb

1900 E. Street, N.W.

\$160

GS-9 & above

SEMINAR ON ADP IN FINANCIAL MANAGEMENT

6 - 8 Nov

1900 E. Street, N.W.

\$120

GS-12 - 15

FIELD WORK PROGRAM IN ADP SYSTEMS ANALYSIS

27 Nov, 4, 11, 18 and

8, 15, 22, 29 Jan

1900 E. Street, N.W.

\$125

GS-9 & above

EXECUTIVE SEMINAR IN STATISTICAL SCIENCE FOR MANAGEMENT

14 - 15 Nov

1900 E. Street, N.W.

\$ 75 GS-15 & above

EXECUTIVE WORKSHOP IN ADP PROGRAMMING

18 - 20 Nov

1900 E. Street, N.W.

\$150

GS-15 & above

EXECUTIVE WORKSHOP IN ADP SYSTEMS ANALYSIS

18 - 20 Nov

1900 E. Street, N.W.

\$135

GS-15 & above

SEMINAR IN ADP MANAGEMENT AND ADMINISTRATION

19 - 21 Nov

1900 E. Street, N.W.

\$135

See course description in annual Interagency Training Bulletin for eligibility.

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#### Civil Service Commission (continued)

MANAGEMENT	INTRODUCTION	TO ADP
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21 - 22 Nov

9 - 10 Jan 1900 E. Street, N.W. \$ 50

GS-11 & above

SYSTEMS WORKSHOP FOR COMPUTER SPECIALISTS II ADVANCED

2 - 13 Dec

1900 E. Street, N.W.

\$150

GS-9 & above

SEMINAR ON ADP IN TECHNICAL INFORMATION SYSTEMS

4 - 6 Dec

1900 E. Street, N.W.

\$120

GS-9 & above

EXECUTIVE SEMINAR IN INTERAGENCY INFORMATION SYSTEMS

12 - 13 Dec

1900 E. Street, N.W.

\$ 90

GS-14 & above

SEMINAR ON ADP IN SUPPLY MANAGEMENT

16 - 18 Dec

1900 E. Street, N.W.

\$120

GS-11 & above

DECISION LOGIC TABLE WORKSHOP

14 - 16 Jan

11 - 13 Mar

1900 E. Street, N.W.

\$95

GS-9 & above

EXECUTIVE SEMINAR IN ADP

20 - 21 Jan

1900 E. Street, N.W. \$ 90

GS-15 & above

SYSTEMS ANALYSIS FOR COMPUTER PROGRAMMERS

27 - 31 Jan

1900 E. Street, N.W.

For computer programmers and newly assigned analysts with programming experience.

EXECUTIVE SEMINAR IN MANAGEMENT INFORMATION THEORY

30 - 31 Jan

1900 E. Street, N.W.

\$ 90

GS-14 & above

EXECUTIVE SEMINAR IN OPERATIONS RESEARCH

3 - 4 Feb

1900 E. Street, N.W.

\$ 90

GS-14 & above

ADP SYSTEMS ANALYSIS SEMINAR

5 Feb - 26 Mar

1900 E. Street, N.W.

\$175

GS-9 & above

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#### Civil Service Commission (continued)

TECHNIQUES AND METHODS OF OPERATIONS RESEARCH

5, 6, 12, 13 Feb 1900 E. Street, N.W.

\$150

GS-9 & above

EXECUTIVE SEMINAR IN MANAGEMENT REPORTING SYSTEMS

24 - 25 Feb

1900 E. Street, N.W.

\$ 90

GS-14 & above

SEMINAR ON ADP IN PERSONNEL MANAGEMENT

26 - 28 Feb

1900 E. Street, N.W.

\$120

GS-11 & above

APPLICATIONS OF OPERATIONS RESEARCH FOR EXECUTIVES

5, 12, 19, 26 Mar 1900 E. Street, N.W.

\$175

GS-14 & above

OPERATIONS RESEARCH ORIENTATION

24 - 26 Mar

1900 E. Street, N.W.

\$ 50 GS-9 & above

MATHEMATICS FOR MANAGERS

8 Apr - 17 Jun

1900 E. Street, N.W.

\$250

GS-14 & above

Financial Management and PPBS

QUARTERLY CONFERENCE FOR PPB

18 - 19 Nov

1900 E. Street, N.W.

\$160

For working operating analysts.

INTRODUCTION TO SCIENTIFIC COST ANALYSIS

18 - 22 Nov

1900 E. Street, N.W.

\$145

Open to Federal Staff and managers who require a working knowledge of cost analysis.

PPB SEMINAR

4 - 15 Nov

University of Maryland

\$300

Two week residential. Consult Training Officer for eligibility requirements.

PPB GENERAL ORIENTATION

7 - 8 Nov

2 - 3 Dec

1900 E. Street, N.W.

\$ 50

GS-13 & above

MODELS FOR MANAGEMENT DECISIONS

25, 27 Nov

4, 11, 18 Dec

1900 E. Street, N.W.

\$250

GS-14 or 15

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#### Civil Service Commission (continued)

COST	BENEETT	WORKSHOP
COST	DENETI	M OTITIOI

9-13 Dec 1900 E. Street, N.W. \$165 GS-11 & above

PPB EXECUTIVE ORIENTATION

17 - 19 Dec 1900 E. Street, N.W. \$ 75 GS-14 & above

FINANCE IN AGENCY MANAGEMENT

6 - 10 Jan

7 - 11 Apr 1900 E. Street, N.W. \$100 GS-9 - 12

Miscellaneous

EXECUTIVE SEMINAR IN STATISTICAL SCIENCE FOR MANAGEMENT

14 - 15 Nov 1900 E. Street, N.W. \$ 75 GS-14 & above

EXECUTIVE SEMINAR IN RECRUITMENT

20 - 22 Nov 1900 E. Street, N.W. \$ 85 GS-13 & above

INTRODUCTION TO SCIENCE AND ENGINEERING IN GOVERNMENT

2 Dec 1900 E. Street, N.W. \$45 GS-5-11

MANAGEMENT INSTITUTE FOR SUPERVISORY SCIENTISTS AND

ENGINEERS

6 Jan 1900 E. Street, N.W. \$100 GS-12 - 14

PSYCHOLOGY AND THE MANAGEMENT OF HUMAN RESOURCES

8 - 10 Jan 1900 E. Street, N. W. \$ 85 GS-9 - 12

LEGISLATIVE OPERATIONS ROUNDTABLE FOR EXECUTIVES

27 - 31 Jan 1900 E. Street, N.W. \$150 GS-14 & above

#### U.S. Department of Agriculture Graduate School

#### Special Programs

All classes are held at the U.S. Department of Agriculture on Saturday mornings at 8:00 a.m. to 12:00 noon except where indicated.

BASIC CONCEPTS OF DATA PROCESSING

11 Jan - 22 Mar \$ 75 High School

Graduate

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#### U.S. Department of Agriculture (continued)

#### ADVANCED CONCEPTS OF DATA PROCESSING

11 Jan - 22 Mar \$ 75

ADP SYSTEMS ANALYSIS AND DESIGN

11 Jan - 22 Mar \$100

DEVELOPING ADP SPECIALISTS

11 Jan - 15 Feb \$ 75 GS-12 & above

SOURCE DATA AUTOMATION

11 Jan - 15 Feb \$ 75

Prerequisites: Understanding of basic ADP systems and programming concepts.

INFORMATION STORAGE, RETRIEVAL & DISSEMINATION

11 Jan - 22 Mar \$100

Participants should have completed at least one year of ADP analysis experience.

ADP BUDGET AND FINANCE APPLICATIONS

11 Jan - 22 Mar \$100

Course is for those who have had training or experience in budget and finance operations.

TELEPROCESSING AND DATA COMMUNICATION SYSTEMS

11 Jan - 22 Mar \$100

Participants should have had at least one advanced data processing course or equivalent.

ADP DOCUMENTATION AND WRITING

11 Jan - 15 Feb \$ 75

For senior programmers and programmer supervisors.

ADP FOR EXECUTIVES

13 - 15 Jan \$150 GS-13 & above

Monday through Wednesday, 8:30 a.m. to 4:30 p.m.

HUMAN FACTORS IN DATA PROCESSING

11 Jan - 22 Mar \$100

Participants should have responsibility for subordinates.

STATISTICAL METHODS FOR FEDERAL EXECUTIVES

3 - 28 Mar \$100 GS-13 & above

Classes meet Mondays, Wednesdays, and Fridays 9:30 a.m. to 11:30 a.m.

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#### 'U.S. Department of Agriculture (continued)

#### STATISTICAL METHODS FOR RESEARCH WORKERS

11 Jan - 22 Mar

\$100

Prerequisites: At least 9 semester hours of college mathematics and/or statistics.

#### COMPUTER SOLUTION OF STATISTICAL ANALYSIS PROBLEMS

15 Feb - 24 May

\$120

Prerequisites: One course in college algebra, one course in basic statistics, and some concept of the use of electronic computers.

#### INTRODUCTION TO OPERATIONS RESEARCH

15 Feb - 31 May

\$120

Prerequisite: Two years college mathematics and/or statistics.

#### ADP TRANSPORTATION APPLICATIONS

12 Apr - 21 June

\$120 Senior Analysts

#### ADP LIBRARY APPLICATIONS

11 Jan - 22 Mar

\$100 Librarians

#### FEDERAL CONTRACT NEGOTIATION INSTITUTE

18 - 22 Nov

24 - 28 Feb

\$130 GS-9 & above

Classes meet Monday through Friday, 9:00 a.m. - 5:00 p.m.

#### SCIENCE INFORMATION AND COMMUNICATIONS

2 - 6 Dec

\$135 , GS-13 & above

#### OTHER EXTERNAL TRAINING

The University of Oklahoma has for several years conducted locally an Advanced Program in Governmental Studies leading to the degree of Master of Arts in Public Administration. They are offering this year for the first time an Advanced Program in Economics, which will lead to the degree of Master of Arts in Economics. The Academic Course format is intended for adult part-time students who are unable to leave professional positions to complete full-time campus study. The week-long seminar sessions are conducted each trimester in the American Association of University Women Educational Center, 1707 H. Street, N.W., Washington, D.C.

Eligible students are admitted to full graduate standing for study in either of the two 32-hour no-thesis degree programs. Study methods combine attendance in six-day intensive seminar sessions, directed readings, and research. Tuition cost is \$40 per credit hour.

25X1 For further information call

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